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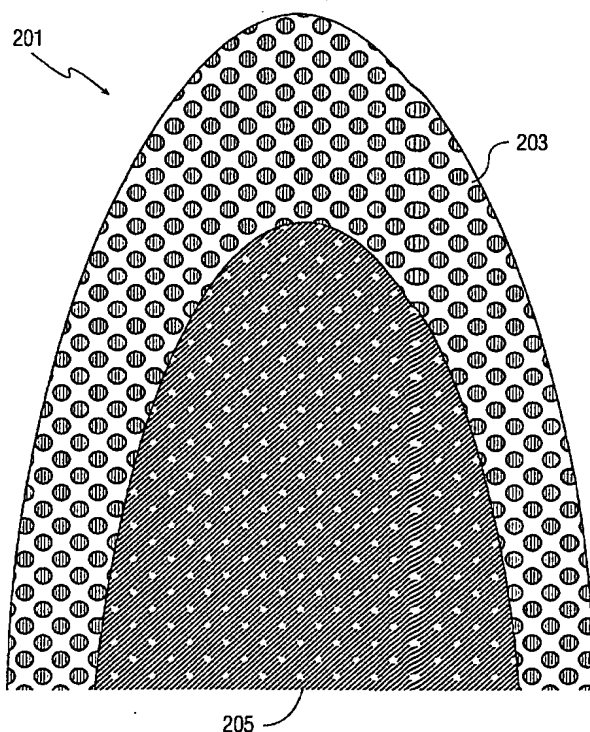
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(54) Title: **IMAGE SEGMENTATION FOR DISPLAYING MYOCARDIAL PERFUSION**



(57) Abstract: A method and a device for conducting perfusion studies on myocardial tissues with contrast agents is provided. In accordance with the method, ultrasound pulses are transmitted (111) into a patient, and ultrasound echoes of the pulses are received (113) which correspond to both myocardial tissue blood and chamber blood within said patient. The received ultrasound echoes are converted (115) into image data which corresponds to essentially only the myocardium perfusion.



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